

IN THE CLAIMS:

Please amend the claims as follows:

Please delete claims 63, 96, and 106.

Please amend claims 1, 19, 50, 51, 64, 65, 72, and 95 as follows:

~~A/~~  
1. A sensing device for monitoring conditions at a remote location having an originating telephone number, the sensing device comprising:

- (a) detecting means for detecting the conditions at the remote location;
- (b) a transmitting module having a first power source, the transmitting module further comprising:
  - (1) reading means for reading the conditions at the remote location, and
  - (2) transmitting means for transmitting information regarding the conditions at the remote location;
- (c) a base module having a list of pre-programmed telephone numbers that correspond to each of the conditions at the remote location, the base module further comprising:
  - (1) receiving means for receiving the transmitted information from the transmitting module,
  - (2) first processing means for selectively processing the transmitted information to determine which pre-programmed telephone number to call, and

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(3) conveying means for conveying the transmitted information by using a telephone line to call the pre-programmed telephone number determined by the first processing means; and

(d) identifying means for identifying the remote location of the call to the preprogrammed telephone number,

(e) disconnecting means for disconnecting the call to the pre-programmed telephone number after a predetermined number of rings and before the receiving means has answered the call,

whereby the disconnecting means prevents the call from being completed.

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19. A sensing device for monitoring conditions at a remote location having an originating telephone number, the sensing device comprising:

- (a) detecting means for detecting the conditions at the remote location;
- (b) a transmitting module having a first power source, the transmitting module further comprising:
  - (1) reading means for reading the conditions at the remote location, and
  - (2) transmitting means for transmitting information regarding the conditions at the remote location;
- (c) a base module having a list of pre-programmed telephone numbers that correspond to each of the

conditions at the remote location, the base module further comprising:

- (1) receiving means for receiving the transmitted information from the transmitting module,
- (2) first processing means for selectively processing the transmitted information to determine which pre-programmed telephone number to call, and
- (3) conveying means for conveying the transmitted information by using a telephone line to call the pre-programmed telephone number determined by the first processing means; and

A<sup>2</sup>  
(d) identifying means for identifying the remote location of the call to the preprogrammed telephone number, whereby the conditions at the remote location are monitored by the identifying means, and

further comprising measuring means for measuring the power level of the first power source, whereby the measuring means conveys information regarding the power level to the reading means, and wherein the measuring means, the readings means and the transmitting means of the transmitting module, respectively, comprise:

- (a) a measuring means having a first half of an OpAmp circuit;
- (b) a reading means having at least one transistor, at least one resistor and an encoder, whereby the transistor and the resistor convey high

and low switch information to the encoder, further whereby the first half of the OpAmp circuit conveys the power level information of the first power source to the encoder; and

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- (c) a transmitting means using the encoder to transmit information regarding the conditions at the remote location and the power level of the first power source to the base module.
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50. A sensing device for monitoring conditions at a remote location having an originating telephone number, the sensing device comprising:

- (a) detecting means for detecting the conditions at the remote location;
- (b) a transmitting module having a first power source, the transmitting module further comprising:
  - (1) reading means for reading the conditions at the remote location, and
  - (2) transmitting means for transmitting information regarding the conditions at the remote location;
- (c) a base module having a list of pre-programmed telephone numbers that correspond to each of the conditions at the remote location, the base module further comprising:
  - (1) receiving means for receiving the transmitted information from the transmitting module,

(2) first processing means for selectively processing the transmitted information to determine which pre-programmed telephone number to call, and

(3) conveying means for conveying the transmitted information by using a telephone line to call the pre-programmed telephone number determined by the first processing means; and

(d) identifying means for identifying the remote location of the call to the preprogrammed telephone number,

whereby the conditions at the remote location are monitored by the identifying means, and

A<sup>3</sup> the first processing means of the base module comprises a first microprocessor, and further comprising:

(a) an operating program, the operating program being contained in the first microprocessor; and

(b) a watchdog IC having a strobe input, the watchdog IC generating a reset pulse to restart the first microprocessor in case the operating program is lost,

whereby the first microprocessor toggles the strobe input to prevent the watchdog IC from generating a reset pulse.

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A sensing device for monitoring conditions at a remote location having an originating telephone number, the sensing device comprising:

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- (a) detecting means for detecting the conditions at the remote location;
  - (b) a transmitting module having a first power source, the transmitting module further comprising:
    - (1) reading means for reading the conditions at the remote location, and
    - (2) transmitting means for transmitting information regarding the conditions at the remote location;
  - (c) a base module having a list of pre-programmed telephone numbers that correspond to each of the conditions at the remote location, the base module further comprising:
    - (1) receiving means for receiving the transmitted information from the transmitting module,
    - (2) first processing means for selectively processing the transmitted information to determine which pre-programmed telephone number to call, and
    - (3) conveying means for conveying the transmitted information by using a telephone line to call the pre-programmed telephone number determined by the first processing means; and
  - (d) identifying means for identifying the remote location of the call to the preprogrammed telephone number,

whereby the conditions at the remote location are monitored by the identifying means, and

A3 the first processing means of the base module comprises a first microprocessor, and wherein the conveying means comprises a conveying microprocessor having a modem and an operating program.

Sub B? A4 64. The sensing device of claim 1 wherein the disconnecting means comprises a modem.

65. The sensing device of claim 1 wherein the predetermined number of rings comprises no more than four rings.

A5 72. A method of monitoring conditions at a remote location, comprising the steps of:

- (a) detecting the conditions at the remote location;
- (b) reading the conditions at the remote location;
- (c) transmitting information regarding the conditions at the remote location;
- (d) receiving the transmitted information;
- (e) selectively processing the transmitted information to determine which of a list of pre-programmed telephone numbers to call;
- (f) calling the pre-programmed telephone number;
- (g) conveying the information; and
- (g) identifying the remote location of the call
- (h) disconnecting the call to the pre-programmed telephone

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number after a predetermined number rings and before the connection is completed, whereby conditions at the remote location are monitored in as short a time interval as possible, without a call being completed.

Sub 12  
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95. A method of monitoring conditions at a remote location, comprising the steps of:

- (a) detecting the conditions at the remote location;
- (b) reading the conditions at the remote location;
- (c) transmitting information regarding the conditions at the remote location;
- (d) receiving the transmitted information;
- (e) selectively processing the transmitted information to determine which of a list of pre-programmed telephone numbers to call;
- (f) calling the pre-programmed telephone number;
- (g) conveying the information; and
- (g) identifying the remote location of the call,

wherein the selectively processing step comprises the steps of:

- (a) firstly verifying the information received by the receiving step;
- (b) secondly verifying the information received by the reporting step;
- (c) matching a condition with a telephone number from the list of pre-programmed telephone numbers, the condition being verified by the firstly verifying step



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and the secondly verifying step; and

- (d) sending the information regarding the condition to the calling step, and

wherein the firstly verifying step comprises the step of waiting for two consecutive transmissions of the same information from the transmitting step, the waiting step ensuring that the transmissions comprise valid information.

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**Please add new claim 107 as follows:**

107. A sensing device for monitoring conditions at a remote location having an originating telephone number, the sensing device comprising:

- (a) detecting means for detecting the conditions at the remote location;
- (b) a transmitting module having a first power source, the transmitting module further comprising:
  - (1) reading means for reading the conditions at the remote location, and
  - (2) transmitting means for transmitting information regarding the conditions at the remote location;
- (c) a base module having a list of pre-programmed telephone numbers that correspond to each of the conditions at the remote location, the base module further comprising:

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- (1) receiving means for receiving the transmitted information from the transmitting module,
  - (2) first processing means for selectively processing the transmitted information to determine which pre-programmed telephone number to call, and
  - (3) conveying means for conveying the transmitted information by using a telephone line to call the pre-programmed telephone number determined by the first processing means; and
  - (d) identifying means for identifying the remote location of the call to the preprogrammed telephone number,
  - (e) disconnecting means for disconnecting the call to the pre-programmed telephone number after a predetermined number of rings and before the receiving means has answered the call,

whereby the disconnecting means prevents the call from being completed, so that the conditions at the remote location are monitored by the identifying means without a call being completed.